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ABSTRACT

This semiannual report summarizes research activities of the State Research Coordinating Units conducted under Section 131(b) of the Vocational Education Amendments of 1968 during the first half of fiscal year 1972. The purpose of the report is to facilitate exchange of information and reduce duplication of effort among the states by providing awareness of the research and development activities by other states. This is the fourth in a series of compilations of State Quarterly Research Activity Reports. (MF)

ED 068718

SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

JULY 1, 1971 - DECEMBER 31, 1971

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Elliot L. Richardson, Secretary

Office of Education
S. P. Marland, Jr., Commissioner

Bureau of Adult, Vocational, and Technical Education
Robert M. Worthington, Associate Commissioner

Division of Vocational and Technical Education
Michael Russo, Acting Director

VT 017 241

August 1972

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August 1972

FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of the Vocational Education Amendments of 1968. This report covers the first six months of fiscal year 1972. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This Semiannual Report has been prepared by Marsha Golden of the Program Development and Operations Branch of the Division of Vocational and Technical Education. This is the fourth in a series of reports on the activities of State RCU's. The first report was entitled Annual Report on State Research Coordinating Unit Activities for Fiscal Year 1970 (ED-053-293), and covered the period from July 1, 1969 to June 30, 1970. The second report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970 (ED-052-381). The third report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1971 to June 30, 1971. Copies of these previous reports can be obtained from the ERIC Document Reproduction Service.

Michael Russo
Acting Director
Division of Vocational
and Technical Education

August 1972

INTRODUCTION

For fiscal year 1972, the States received $9 million under Section 131(b) of Part C of the Vocational Education Amendments of 1968. These funds could be used for paying up to 75 percent of the costs of the State Research Coordinating Unit (RCU) and for grants and contracts covering 90 percent of the costs of research and developmental projects. The minimum amount received was $12,039 by Alaska and the maximum was $705,568 by California.

The amount of Section 131(b) research funding received by each State for fiscal year 1972 represented a reduction of almost 50 percent from the fiscal year 1971 funding level. This reduction had a serious effect on the impressive research programs which were taking shape in fiscal year 1971. Some States had carried over a portion of their fiscal year 1971 funds to fiscal year 1972, and were able to continue their programs at a fairly high level. Other States, though managing to continue their Research Coordinating Units, found it necessary to cut back their staffs or to reduce the volume of "in-house" and contracted research which was being conducted. Some States which were funding projects of more than one year's duration with Part C funds found it necessary to continue some of these projects with funds from other sources -- Part B basic grant funds, Part D Exemplary Program funds, or other State and local resources.

A review of the approximately 250 new projects funded during this six-month period indicates some definite trends in State research priorities. At least 50 projects were funded for development or restructuring of vocational programs, curriculums, and materials. These projects range from those dealing with established areas of vocational education, such as agricultural education, to those relating to "new and emerging" areas, such as oceanic and marine technology.

Many States have shown a concern for evaluation of their existing programs and planning for improvement. Evaluation and followup studies are usually coupled with a set of recommendations for making the programs more relevant to the needs of the student and community. Several studies are being conducted to determine the needs of the State's employers for trained employees in relation to the vocational programs currently being offered.

Career education, especially the important areas of guidance, counseling, and testing, commanded a large amount of research interest during this six-month period. Several States are

experimenting with computerized approaches to assisting the student to investigate his career interests at an early stage of his education. Individualized instruction programs, very important in the implementation of a program of career education, are being developed in several areas of instruction.

In-house activities of the RCU's are constantly expanding. Most States now have some type of information dissemination system in operation, with some systems becoming very elaborate and including such services as computer searches of ERIC, monthly newsletters, and the capability for reproduction of microfiche to fill user requests. Some States now have information centers located throughout the State so that all vocational educators will have easy access to ERIC collections and microfiche viewing and reproduction equipment. Other RCU activities include coordinating Exemplary, Research, and EPDA programs for the State; evaluation of programs, assisting in development of State plans, and operating workshops for the training of researchers.

It appears that, despite the severe reduction in Section 131(b) funds for fiscal year 1972, the RCU's are becoming well-established in their role as the research and development arm of the State vocational education community.

The Semiannual Report which follows is a compilation of Quarterly Research Activity Reports received from the States, covering the first two quarters of fiscal year 1972. Additional information on projects listed under the category of "new projects funded" may be located in the "Research Projects in Progress" section of Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), published quarterly by the ERIC Clearinghouse on Vocational and Technical Education. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the quarterly issues of ARM.

Summaries of

State Research Coordinating Unit

Quarterly Reports

for the period

July 1, 1971 - December 31, 1971

ALABAMA

T. L. Faulkner, State Director of Vocational Education

Richard A. Baker, Director of Occupational Research and Development

PROJECTS COMPLETED:

1. "Employment Opportunities for Workers in Sales and Related Occupations in Alabama"

2. "Employment Opportunities and Educational Needs of Alabama Farmers"

3. "Employment Opportunities and Job Performance Area of Workers in Agriculturally-Related Businesses and Industries"

4. "Vocational Education Directory Project (Public and Private Secondary and Post-Secondary Schools in Alabama)"

NEW PROJECTS FUNDED:

1. "Career Education Counseling: A Study of Counselor Competencies Required for Maximum Career Development Assistance to Vocational Education Students" (Leemanc Joslin)

RESEARCH RELATED ACTIVITIES:

1. Statistics for planning and programming vocational education programs in Alabama

2. Evaluation of local and State programs of vocational education

3. Development and implementation of a local and State followup system for vocational education program terminees

PROJECTS AND ACTIVITIES PLANNED:

1. "A Study to Define Computer Requirement for Vocational Education in Alabama"

2. "Development and Implementation of an Industrial Training Program for Alabama"

ALASKA

Louis D. Ridle, State Director of Vocational Education

Ernest Polley, RCU Director

NO REPORTS RECEIVED

ARIZONA

J. R. Cullison, State Director of Vocational Education

William Raymond, RCU Director

NO REPORTS RECEIVED

ARKANSAS

J. Marion Adams, State Director of Vocational Education

Jack D. Nichols, Acting RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Mini-Grants for Local Action Oriented Research to Improve Vocational-Technical Education in Arkansas"

RESEARCH RELATED ACTIVITIES:

1. Reviewed research proposals and assisted in proposal development
2. Retrieved and analyzed vocational student data

3. Disseminated research findings, data, and materials

4. Developed proposed plan of action for FY '73 EPDA activities to meet personnel development needs

5. Assisted with the development of Arkansas Part "C" demonstration project (Section 131-a funds)

6. Assisted in developing questionnaires and survey forms

7. Conducted a followup study of students

8. Provided assistance to exemplary program staff in planning and designing possible Part D projects

PROJECTS AND ACTIVITIES PLANNED:

1. Providing assistance to the Part "C" Career Education Demonstration project (Section 131-a funds)

2. Assisting local teachers with mini-grants which have been approved

3. Collecting, editing, compiling and storing pertinent vocational student data on magnetic tape for computer manipulation

4. Coordinating efforts to carry out the EPDA Plan of Action

CALIFORNIA

Wesley P. Smith, State Director of Vocational Education

James H. Crandall, RCU Director

PROJECTS COMPLETED:

1. "A Study on the Use of Paraprofessionals in Adult Basic Education in the Los Angeles Adult Schools" (James Farmer and Howard Lundskoog)

2. "Developmental, Applied Research Project to Help Determine the Extent to Which Multi Media is Effective with Low Income Minority Students" (Milo P. Johnson and Bettie Rich)

3. "Developmental, Applied Research Project to Help Determine the Usefulness of a Vocational Student Effort Factor" (Milo P. Johnson and Mildred Hight)

4. "Pilot Job Market Survey" (Virginia Sprague)

NEW PROJECTS FUNDED:

1. "Experiment in an Audio-Tutorial Method in Training the Audio Learner Among Music Students in Occupational Music Curricula" (Florence Werner Jolley)

2. "A One-Year Intensive Secretarial Training Course for H. S. Seniors" (Frank S. Moore)

3. "Multi Media for Vocational Guidance" (Milo P. Johnson)

4. "Occupational Information Relating to the Plastics Industry Recommended for Secondary Curricula" (Melvin Barlow and Jacqueline R. Killam)

5. "A Field Study to Determine Characteristics of Most Successful Vocational Education Programs" (Walter Brooks)

6. "A Research Project to Test a Coordinated Instruction Employment Counseling System Focusing on Student Adjustment to Work" (Jacob Wiens and Joan Lewis)

7. "A Study of Factors Associated with Willingness of Home Economics Teachers to Teach Wage-Earning Home Economics" (Shirley S. Bowden)

8. "An Instructional Assessment System for Vocational Education Programs" (Steve Frankel and David Aaronson)

9. "Vocational Information System Model" (Herbert S. Adams)

10. "A Cost Analytic Model for Santa Barbara City College Day Credit Vocational and Non-Vocational Courses" (Thomas F. MacMillen)

11. "Feasibility Study and Task Analysis for Vocational Curriculum to Train Environmental Technicians" (James Vernon and Donald Garrett)

12. "Performance and Attitude Guidance Selection Model for Vocational Training" (John Stormes and Judith Blase)

13. "Research to Develop a Model Instructional Program in the Office Cluster of Business Occupations" (Howard McFann)

14. "An Evaluative Followup Study of Vocational Education and Training Programs for Disabled Disadvantaged Persons" (Bryan Kemp)

15. "Training in Management and Information Systems for Vocational Education in California Community Colleges" (Otto A. Heinkel)

16. "An Approach to Quantitative Assessment of Present and Future Occupational Needs and Opportunities" (Edward N. Dodson)

17. "Evaluation Model Development for Marine Technology Programs" (Otto A. Heinkel)

18. "Profiles of Community College Students in Career Programs for Use in Occupational Counseling" (Dorothy M. Knoell)

19. "Allied Health Professions Project Secondary Schools Pilot and Demonstration Project" (Melvin Barlow)

20. "Evaluation System Model for the Basic Functions of Vocational Education in California" (Robert Branch and Herb Redlack)

21. "San Francisco Bay Area Experimental Education Needs Study" (Duane Fish)

22. "Reflections of the Community: The Community Aide and Home Economics Education" (Lois Whisler)

23. "A Proposal for the Research and Evaluation of Followup Studies of High School Graduates Using Sampling Methods" (William Harris and Fred E. Orr)

24. "An Evaluation of a Staff--and Community--Implemented Model Integrating Career Development Concepts in a Total Educational Program, K-12" (Donald J. Boriolo)

25. "A Project to Develop a Cost/Benefit Model for Vocational Programs at the College of Alameda" (Fred E. Ittner)

26. "A Model for Evaluating Vocational Education Programs for the Handicapped and Disadvantaged in the Community Colleges" (Max Tadlock and Nathan H. Boortz)

RESEARCH RELATED ACTIVITIES:

1. Monitored approved research projects

2. Provided consultation to agencies preparing applications for research funds

3. Coordinated appropriate research projects funded under P.L. 90-576, Part C, with activities of the State task force on career education

4. Provided information about Statewide research activities to members of the State vocational education staff and area planning groups

5. Attended Western RCU Directors Conference

PROJECTS AND ACTIVITIES PLANNED: NONE

COLORADO

M. G. Linson, State Director of Vocational Education

Robert F. Barnes, RCU Director

PROJECTS COMPLETED:

1. "The Need for Natural Resource Technicians in Colorado" (Tibbs)

2. "Holyoke-Haxtun Business and Office Curriculum Materials Project"

3. "Southern Colorado State College Electronics Project"

NEW PROJECTS FUNDED:

1. "Central Arkansas Valley Area Vocational School Student-Parent Survey"

2. "General Aptitude Testing Battery Testing Program for Westminster Schools"

3. "Development and Evaluation of Audio-Visual Materials for Environmental Studies" (Dudley and Berg)

4. "Integration of Mental Health Concepts and Principles into the Total Nursing Curriculum of the Community College of Denver" (Zabriskie)

5. "Industrial Materials Development" (Dunning)

6. "Extending Individualized Instruction in the Electronic Servicing Program" (Sisson)

7. "Individual Audio-Pictorial Instruction for Automotive Mechanics" (Clifford)

8. "A Followup Study of Former Students of Occupational Programs at Colorado Mountain College" (Anderson)

9. "Digital Laboratory Experiment Stand" (Cunningham)

10. "Curriculum Materials" (Herrington)

11. "Multi-media Methods of Teaching Principles of Accounting" (Zentner)

12. "Programmed Course in Pharmacology for Student Nurses" (Williams)

13. "Followup Study of 1970-71 Vocational Education Graduates and Non-Completion Students" (Johnson)

RESEARCH RELATED ACTIVITIES:

1. Made presentations to Colorado Vocational Association

2. Revised State Evaluation System

3. Conducted National Management Systems Workshop

4. Completed plans, materials and arrangements for National Management Information Systems Workshop

5. Completed preparation of Jefferson County K-12(14) research proposal

6. Worked on a Statewide Occupational Business survey, in conjunction with job placement people on the secondary and post-secondary level

PROJECTS AND ACTIVITIES PLANNED:

1. Establishment of a management system for the State Board

2. Computerization of all teacher credentialing information

3. Working in conjunction with the Commission on Higher Education in a Statewide Higher Education Survey

CONNECTICUT

Joseph F. Murphy, State Director of Vocational Education

Herbert Righthand and Richard C. Wilson, RCU Co-Directors

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "An Intensive Followup Study of Connecticut Vocational Agriculture Graduates of the Classes of 1961, 1964, 1967, and 1970" (University of Connecticut)

RESEARCH RELATED ACTIVITIES:

1. Assisted in the development of research proposals

2. Administered Part D exemplary projects including proposal writing, development, review, approval, and evaluation

3. Gathered statistical data from various sources for planning, reporting, and evaluation purposes

4. Worked with Office of Departmental Planning in the coordination and completion of PPBS materials for the Division of Vocational Education

5. Served as member of Department of Education steering committee for the Joint Task Force (Belmont) Project

6. Prepared various research and statistical reports upon request of State Director and other State staff members

7. Disseminated research reports, releases, and other materials

8. Conferred with Labor Department and other State agencies in collecting manpower and demographic data for the State Plan

9. Participated in several meetings of the Inter-Bureau Committee on Guidance, State Department of Education

10. Worked closely with State Data Center in development of a vocational education data bank and reporting system

11. Implemented procedures for pre-payment of exemplary programs

12. Staff members served on various departmental task forces for development of Management by Objectives

13. Attended RCU Conference planning meeting in Jackson, Wyoming

14. Participated in three-day management seminar conducted by New England Resource Center for Occupational Education (NERCOE)

15. Served as NERCOE Clearinghouse Advisory Committee member and as State liaison for NERCOE information system

16. Attended meeting of guidance personnel from 15 regional vocational-technical schools to explain proposed study of student characteristics

17. Coordinated State effort in development of USOE national directory for vocational education

18. Coordinated annual federal statistical, financial, and descriptive reports for Connecticut

19. Served as regional representative to USOE meeting on development of FY 1973 federal reporting system for vocational education

20. Conducted 1971-72 vocational-technical school applicant survey

21. Collected and processed October 1, 1971 enrollment data from all vocational programs

22. Collected and processed followup data on all 1971 vocational program graduates

23. Held meetings with executive director of University Research Institute of Connecticut, Inc. concerning the development of a vocational education directory

24. Developed new guidelines for research proposal writing and project reports

25. Initiated a small research grants program including development of guidelines, review procedures, and project implementation

26. Revised guidelines for the writing, submission, and evaluation of exemplary projects

27. Developed exemplary program information sheets for dissemination purposes

PROJECTS AND ACTIVITIES PLANNED:

1. An Exploratory Study of the Characteristics of Students Who Seek Admission to and Students Who Enroll in Connecticut Regional Vocational-Technical Schools

2. An Experimental Pre-Vocational Training Program for Autistic and Brain-Damaged Children

3. Study of the Feasibility of the Twelve-Month School Year for Connecticut Vocational-Technical Schools

DELAWARE

Daniel E. Koble, State Director of Vocational Education

Paul H. Johnson, Supervisor, Career Research Section

PROJECTS COMPLETED:

1. "Teaching Strategies for Careers English"
2. "Career Science and Mathematics Education Workshop" (State Department of Public Instruction)

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Implementation of a followup study of vocational students in Delaware

PROJECTS AND ACTIVITIES PLANNED: NONE

DISTRICT OF COLUMBIA

Paul E. Cawein, State Director of Vocational Education

Mildred Cooper, RCU Director

NO REPORTS RECEIVED

FLORIDA

Carl W. Proehl, State Director of Vocational Education

K. M. Eaddy, Administrator, Vocational Research and Evaluation Function

PROJECTS COMPLETED:

1. "An Experimental Project to Measure Attitudinal and Cognitive Changes of Disadvantaged Junior High School Pupils Attending a Comprehensive Junior High School"

NEW PROJECTS FUNDED:

1. "The Fusion of Applied and Intellectual Skills (FAIS)" (M.F. Smith)
2. "Project Agriculture" (J.W. Hensel)
3. "Learner Oriented Occupational Materials: Project LOOM" (James R. Heggen)
4. "Closing the Middle Manpower Utilization Gap (Project CTMMUG)" (Maurice L. Litton)
5. "To Continue Identifying Implications of Research for Industrial Teachers" (R.O. Gallington)
6. "To Continue Part-Time Research Position for Industrial Education" (R.O. Gallington)
7. "An Evaluation of Exemplary Programs in Dade, Duval, Escambia, Hillsborough and Orange Counties" (L. Hobdy Perkins)
8. "Development of Criterion Referenced Instruments for Distributive Education Programs" (Leroy M. Buckner)
9. "Assessing the Suitability of the College Level Examination Program (CLEP) Tests for Admitting Vocational Students to Graduate Schools of Education in Florida State Supported Institutions" (G. Emerson Tully)
10. "To Continue Vital Information for Education and Work: Project VIEW" (W.L. Kitching and Alex Friedman)
11. "Development of Individualized Instructional Materials for Adult Manpower Students" (Evelyn Csikos)
12. "Development and Evaluation of Consumer Education Teaching Material for Disadvantaged Students and Underprivileged Adults" (Agnes Ridley)
13. "Development and Evaluation of Learning Packages for Cooperative Education" (Donald P. Joeschke)

RESEARCH RELATED ACTIVITIES:

1. Assisted university and district personnel to prepare research, exemplary, evaluation and dissemination proposals

2. Assisted with State R&D Coordinators reports and specifications for new contracts

3. Attended various meetings and conferences

4. Served as consultant for summer in-service teacher education workshops

5. Assisted with development of final and interim reports for all research, exemplary, evaluation and dissemination projects

6. Served on accreditation teams

7. Coordinated a project with other States, entitled "To Plan and Implement an Individualized Basic Remedial Education Program for Adult Manpower Students"

8. Contracted for cost effectiveness study and preparation of a booklet to assist local educators in planning for career education development

9. Developed project to field test instructional materials for use in cooperative education programs

10. Developed instruments for evaluation of work experience programs to be used Statewide

11. Planned for second Governor's Conference for Post-Secondary Education Opportunities for the Disadvantaged

12. Developed followup instruments to be pilot tested prior to use with the Vocational Management Information System

13. Planned and conducted fall meeting of Southwide RCU Directors and State Advisory Council Directors

14. Assisted the State Advisory Council in determining procedures to be used in conducting an assessment of vocational programs, services and activities

15. Monitored a demonstration project at Mebane Middle School designed to provide exploratory occupational experiences for elementary students

16. Distributed curricular materials from the four Florida exemplary centers to persons requesting the information

17. Operated Statewide ERIC dissemination system

PROJECTS AND ACTIVITIES PLANNED:

1. Continue establishment of a Statewide dissemination system

2. Continue development of a Statewide educational assessment model and assign priority to vocational areas to be developed during the next two years

3. Continue project monitoring

4. Plan and hold meetings of vocational educators participating in the Florida exemplary program

5. Identify additional vocational programs to be involved in Research and Development Assessment program

6. Continue research and exemplary programs in progress and begin two new programs

7. Abstract final reports of completed projects

8. Continue development of the vocational education component of the Master Plan for Research and Development

GEORGIA

George W. Mulling, State Director of Vocational Education

Paul C. Scott, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Team Approach to Vocational Education for Multi-Disadvantaged Youth, Continuation" (Donald Hight and Gerald D. Haywood)

2. "Career Development Program for the Disadvantaged, Continuation" (Jack W. King and A.J. Isbell)

3. "Coordinated Academic and Vocational Program for Disadvantaged Students, Continuation" (J. Sanford Payne and C.M. Culberson)

4. "Program for Disadvantaged Students, Continuation" (M.C. McDaniel and Arthur Cragg)

5. "A Work-Study Program for Handicapped Students, Continuation" (T.H. Wall)

6. "The Establishment of a Systematic Internship Program for University of Georgia Vocational Education Doctoral Candidates to Work Part-Time for the State Board of Education, Vocational Education Division" (George O'Kelley)

7. "The Establishment of a Research and Dissemination Component in the Vocational Education Division of the University of Georgia" (George O'Kelley)

8. "Development and Testing of Individualized Instructional Package for Vocational Teachers" (R.H. Hudson)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

HAWAII

Samson S. Shigetomi, State Director of Vocational Education

Sybil Kyi, RCU Director

NO REPORTS RECEIVED

IDAHO

Roy D. Irons, State Director of Vocational Education

William R. Swenson, Assistant State Director of Vocational Education

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

ILLINOIS

Sherwood Dees, State Director of Vocational Education

Robert Kent Gray, RCU Director

PROJECTS COMPLETED:

1. "A Followup Study of Illinois Home Economics Job Training--Phase II" (K. Howell)
2. "The Development of a System Model(s) for the Collection, Processing, Summarization and Comparison of Course Cost, Enrollment and Reimbursement Data at the Community College--Phase II" (Robert M. Tomlinson and Chester Rzonca)

NEW PROJECTS FUNDED:

1. "Technical Physics" (C. Matz)
2. "Nuclear Radiation Project Study" (Bill Baldwin and Art Baker)
3. "Illinois Occupational Curriculum Project" (D. Davis and J. Borgen)

4. "Facilitating Career Development at the Elementary School Level" (Larry Bailey)

5. "The World of Work as an Organizing Center for the Curriculum of the Elementary School" (Walter Wernick)

6. "The Development of a System Model(s) for the Collection, Processing, Summarization and Comparison of Course Cost, Enrollment and Reimbursement Data at the Community College Level -- Phase II" (Chester Rzonca)

7. "A Followup Study of Illinois Home Economics Job Training -- Phase II" (Kathleen Howell)

8. "Preparedness Program" (Troy Simpson)

9. "Computerized Vocational Information System" (JoAnn Harris)

10. "Aviation Mechanics Program" (Edward Blue)

11. "An Airframe-Power Mechanics Program for Upper Classmen" (Edward Wirth)

12. "Implementation of Statewide On-site Evaluation System" (T.L. Wentling)

13. "An Exemplary Program in Industrial Engineering Technology Based on Integrated Measurably Stated Behavioral Objectives" (R. Van Raes)

14. "Complete Model Horticulture Demonstration Package for Illinois Schools" (Glen Curl)

15. "Improvement of Horticulture Alternatives Package for Schools with Existing Facilities" (R.D. Marshall)

16. "Horticultural Instructional Packages" (William Jahn)

17. "SIVE Demonstration Center" (John Bristol)

18. "Horticulture Instructional Packages: Demonstration Center Alternatives for Occupational Education in Illinois" (William Eagleton and Rollin Sands)

19. "Demonstration Center for a Comprehensive Home Economics Program" (Iva Pidcock)

20. "Demonstration Center, Elementary Career Education Program" (Gladys Floyd)

RESEARCH RELATED ACTIVITIES:

1. Attendance at Exemplary Programs Conference at Ohio State University

2. Attendance at AVA Convention

PROJECTS AND ACTIVITIES PLANNED:

1. "Maximizing Human Resource Development in the Seven County Tier Region of Southern Illinois: An Occupational Planning Grant" (C. Cole)

2. "Vocational Teacher Supply and Demand in Illinois: Phase I" (R. N. Evans)

3. "Environmental Sciences in Career Education" (Paul Hemp and David Williams)

4. "Demonstration Center for Video Tape Information Program" (Thornton Area Public School Association)

5. "Facilitating Career Development at the Elementary School Level" (Larry J. Baily)

6. "The World of Work as an Organizing Center for the Curriculum of the Elementary School" (Walter Wernick)

7. "Peoria Implementation of Career Education" (John Hlavich)

8. Attendance at various State and national conferences

INDIANA

Don Gentry, State Director of Vocational Education

Orville J. Scribner, Senior Systems Analyst

PROJECTS COMPLETED:

1. "Development of a Career Information Presentation in Health Occupations" (Doris Martin)

2. "Development of Public Relations Materials for Laboratory Assistant Training Program" (Ellen Firme)

NEW PROJECTS FUNDED:

1. "Area School Feasibility Study" (Ross Township School Corporation)

2. "Survey of High School Seniors to Determine Plans After Graduation"

RESEARCH RELATED ACTIVITIES:

1. Conducting Area School Feasibility Study--Columbus Area

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of VOCEDS Projects

2. Continuation of Unified Curriculum Project

IOWA

William O. Schuermann, State Director of Vocational Education

Kenneth M. Wold, RCU Director

PROJECTS COMPLETED:

1. "Iowa Health Occupations Education Followup Study" (Dale F. Peterson)

NEW PROJECTS FUNDED:

1. "Career Education Needs Information System (CENIS)"

2. "Identification of Competencies for Occupations in Housing, Design, and Interior Decoration" (Ruth P. Hughes)

3. "Identification of Competencies for Child Care Occupations" (Irene Beavers)

4. "Learning Activity Packages for a Distributive Education Learning System" (Department of Public Instruction)

RESEARCH RELATED ACTIVITIES:

1. Consultative assistance to and evaluation of exemplary projects

2. Participated in team evaluation visit to Pottawattamie County Exemplary Project

3. Assisted in development of proposals for supplemental career education project

4. Reviewed research proposals

5. Met with prospective project initiators regarding research priorities; assisted in proposal preparation

6. Established and met with CENIS steering committee. Worked on Labor Demand Component of project

7. Completed Vocational Education Directory component of CENIS project

8. Developed self- and team-evaluation instruments for exemplary projects

PROJECTS AND ACTIVITIES PLANNED:

1. Meeting with State Career Education Research Advisory Committee

2. Continue development of various components of the CENIS project, particularly the formation of advisory groups for the student interest and followup components

3. Providing consultative assistance with regard to research and exemplary proposals and projects

4. Dissemination of research findings and official publications

KANSAS

John E. Snyder, State Director of Vocational Education

John E. Snyder, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Vocational Education and Manpower Utilization Research" (Robert Scott)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Distributive Education Curriculum Project involving ten States participating to identify individual learning activities for students in Distributive Education

KENTUCKY

Carl F. Lamar, State Director of Vocational Education

Clayton P. Omvig, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "The Development and Try-Out of a System for Evaluating Programs of Vocational Teacher Education" (RCU)

2. "Owensboro Regional Career Education Project" (Western Kentucky University)

3. "In-Service Education Program for Career Education (RCU)

RESEARCH RELATED ACTIVITIES:

1. Assistance to Part C funded career education projects and for Part D exemplary programs

2. Consultative and technical assistance to vocational educators at all levels

3. Information dissemination

4. Conduct of three State-wide conferences on career education

PROJECTS AND ACTIVITIES PLANNED:

1. Teacher competencies and certification requirements

2. Program evaluation, including followup and cost-effectiveness

3. Student competency requirements for course completion rather than clock hours of instruction

4. Career education

5. Comprehensive manpower data system

LOUISIANA

Thomas S. Derveloy, State Director of Vocational Education

Paul B. Brown, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Computer Based Data System for Vocational Career Guidance"

RESEARCH RELATED ACTIVITIES:

1. Objectives of RCU were established
2. Completed reports on utilization of occupational education research
3. Met with exemplary project director and visited site
4. Completed proposal for Commissioner's discretionary fund project: "Computer Based System for Vocational Career Guidance"
5. Disseminated ERIC microfiche, as requested
6. Attended and participated in meetings and conferences
7. Disseminated monthly research circular letter
8. Calculated projected employment requirements of vocational education training in areas in which enrollment data were available in cooperation with Employment Security Division
9. Initiated a followup study of students enrolled in 1969, 1970, and 1971 at an area vocational school

PROJECTS AND ACTIVITIES PLANNED: NONE

MAINE

Elwood A. Padham, State Director of Vocational Education

Elwood A. Padham, RCU Director

NO REPORTS RECEIVED

MARYLAND

James L. Reid, State Director of Vocational Education

Marinus A. Kip, RCU Director

NO REPORTS RECEIVED

MASSACHUSETTS

Charles Buzzell, State Director of Vocational Education

William G. Conroy, Jr., RCU Director

NO REPORTS RECEIVED

MICHIGAN

Jack Michie, State Director of Vocational Education

J. P. Bebermeyer, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "An Individualized Instructional System for the Developing of Curriculums on a Modular Basis Through the Techniques of Occupational Task Analysis" (Jan Danford)

2. "A Systems Approach to Managing Individualized Instructional Curricula (Modular) Developed Through the Techniques of Occupational Task Analysis" (Jan Danford)

3. "A Systems Approach to Vocational Teacher Education" (Fred S. Cook)

4. "Adaptation of Computer-Assisted Educational Career Exploration System (ECES) as a Component of the School-Based Comprehensive Career Education Model in the City of Pontiac" (Judy Battenschlog) [Section 131-a funds]

5. "Professional Development Curriculum Model for Career Education Personnel" (R. Lockette and C. Rzonca) [Section 131-a funds]

RESEARCH RELATED ACTIVITIES:

1. Obtained State Board approval for second-year ongoing research funding

2. Continued State staff inservice training

3. Assisted with incorporation of cost-analysis study findings into funding model

4. Assisted with overall career education planning

5. Monitored post-secondary cost analysis study

6. Assisted in development of computerized information system

7. Assisted State Advisory Council with research and reports

8. Began planning for management skills inservice training

9. Arranged live ECES demonstration for the State Board

10. Finalized first-year research project negotiations

PROJECTS AND ACTIVITIES PLANNED:

1. Finalization of new research projects

2. Implementation of management skills training

3. Continue assistance with information system development

4. Plan existing project evaluation

5. Arrange for exemplary project visits

6. Assist with proposal development for direct Federal Part D funding

7. Continue assistance in development of career education operations

8. Assist with State Advisory Council report

9. Monitor post-secondary cost study

MINNESOTA

Robert P. Van Tries, State Director of Vocational Education

Melvin E. Johnson, Director, Program Planning and Development

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "An Individualized Approach to Training Licensed Practical Nurses" (Caroline Rosdahl)

2. "Area School Followup System" (David Pucel)

3. "Administration of Educational and Vocational Guidance Test in Minnesota Schools" (Dallis K. Perry)

4. "Evaluating and Computerizing Local Annual Plans" (Elvin Lund)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Curriculum Articulation Project: secondary vocational programs, post-secondary vocational-technical programs

2. Evaluation project -- special needs students

MISSISSIPPI

Troy V. Majure, State Director of Vocational Education

James E. Wall, RCU Director

PROJECTS COMPLETED:

1. "Developing a Housing Education Curriculum for Tenants Who Move From Substandard Housing To Modern Rent Supplement or Public Housing Units" (Mary Ellen Pope)

NEW PROJECTS FUNDED:

1. "Implementing a Career-Centered Curriculum in Four Public School Systems in Mississippi: Amory City Schools, Franklin County Schools, Kemper County Schools, and New Albany City Schools" (James K. Morris)

2. "Vocational-Technical Training Needs in a Mississippi Junior College District" (D.C. Williams, Jr.)

RESEARCH RELATED ACTIVITIES:

1. Monitoring of eight ongoing research projects was conducted by the Coordinator of Research, Curricula and Teacher Education (State Division of Vocational-Technical Education) with the assistance of the Research Coordinating Unit for Vocational-Technical Education (Mississippi State University)

PROJECTS AND ACTIVITIES PLANNED:

1. Continue monitoring of eight ongoing research projects

MISSOURI

B. W. Robinson, State Director of Vocational Education

Glenn White, RCU Director

PROJECTS COMPLETED:

1. "Community Survey of Occupations" (Gary Gilbert)

2. "Setting Up a Program in Vocational Business Education" (Tom Gerling)

3. "Secondary Education -- Preparation for Vocations, Careers, College" (Roger A. Webb)

4. "Survey Needs for Adult Education Through the Vocational Agriculture Program in the Lexington School District" (Larry D. Case)

5. "Determination of Current and Projected Employment Needs in Electronic Data Processing Occupations in the Metropolitan St. Louis Area" (Mildred V. Ritchey)

NEW PROJECTS FUNDED:

1. "Techniques and Equipment for Maximizing Vocational Instruction in Electricity in Secondary School Systems" (Kenneth L. McFate)

2. "Research for the Possibilities of a Mobile Vocational Program for Northeast Missouri Counties" (Joseph W. Rhoads)

3. "Early Intervention in Ninth Grade Career Development Crises" (Raymond J. Sacks)

4. "Occupational Education for High School Age Population in Southwest Missouri" (Eugene G. Sherrell)

5. "A Demonstration Project of Job Placement Program Promotion, and Development Services for Post-Secondary Agri-Business Career Programs in Missouri Community Colleges" (Marvin R. Fielding)

6. "Color Perception as a Correlate of Success in Vocational Education" (William D. Dannenmaier)

7. "Identification at the Elementary Level of Potential Drouputs on the Assumption That There Will Be Sufficient Numbers to Justify Inclusion of Additional Vocational Programs in Our Curriculum" (Gay Jones)

8. "A Descriptive Study of Reading Skills of Specific Vocations in North St. Louis County" (Marlin K. Jackoway)

9. "Challenge Tests for Instructional Units of First Semester Nursing Course in Associate Degree Curriculum" (Marion Kretzer)

10. "Structural Presentation to Interest Students in Civil Engineering Technology" (Ken Smith)

11. "Case Studies in Utilization of Graduate Technicians in Industry" (W.F. Schallert)

12. "Feasibility of One-Year (post-secondary) Drafting Program" (Ben Hall)

13. "Selection of Vocational Students to Improve Probability of Success" (Larry F. Deaton)

14. "A Study of the Effectiveness of a Planned Occupational Informational Program on the Formation of More Realitic Occupational Concepts by Junior High School Students" (Alfred N. Weissman)

15. "Cost-Effectiveness Analysis of Post-Secondary Vocational-Technical Education in Missouri Public Schools" (Donald Osburn)

RESEARCH RELATED ACTIVITIES:

1. Conducted information retrieval and dissemination activities

2. Participated in several planning and evaluation workshops

3. Participated in on-site evaluations for the Vocational Division

4. Completed phase one and two in the development of a training information system for Missouri

5. Provided consultative assistance in project preparation

6. Began development of a Statewide Resource Directory to be used in the elementary and secondary schools

PROJECTS AND ACTIVITIES PLANNED:

1. Continued activities in information retrieval and dissemination

2. Review and approval of research projects

3. Beginning development of a plan to implement the training information system for Missouri and submitting proposal for discussion to advisory council and technical committee

MONTANA

Benjamin Ulmer, State Director of Vocational Education

Phil Ward, RCU Director

NO REPORTS RECEIVED

NEBRASKA

Glen H. Strain, State Director of Vocational Education

Elton B. Mendenhall, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Dissemination of publications, including a monthly newsletter

2. Completed editing and re-write of guidelines for Vocational Exemplary Programs

3. Completed arrangements with Division of Employment Security for use of lists to update RCU master list of employers

4. Completed coordination of Employer Reaction Survey for Advisory Council

5. Completed report to Vocational Division on Parts C and D of Vocational Education Amendments of 1968

6. Reviewed and approved or rejected exemplary proposals and Title III ESEA proposals

7. Completed coding operations for computerized update of RCU master list of employers

8. Reviewed proposals for EPDA Part F

9. Recruited and coordinated additional staff for National Vocational Education Directory Project

10. Learning Resource Center activity has centered around new catalogue system for hardcopy material

11. Work with Department of Vocational Education in determining site for career education model school and development of proposals for the project

12. Completed visitation of all research and exemplary projects for Nebraska

13. Conducted training session for interviewers of employers in Nebraska, data to be used for annual Occupational Opportunities Report 1972

14. Participated in submitting information to team for Evaluation of State Systems for Implementation of Federal Funds (Northern Arizona State University)

15. Assisted in preparation of Letter of Assurance to USOE for Discretionary Award of Vocational Research Funds Toward a Career Education Model School in Nebraska

16. Developed operation agreement for RCU and Coordinator of Exemplary and Research at the Division of Vocational Education in order to manage and account for funds under Vocational Research and Exemplary funds

17. Met with Executive Committee for Vocational Research Funds to determine priority for FY 1973 funds

18. Development of a file on resources and materials for career education

PROJECTS AND ACTIVITIES PLANNED:

1. Presentation of Exemplary Proposals to the Nebraska State Board of Education
2. Review proposals for research funds and submit to reading committee; present to the State Board of Education
3. Develop RCU information bulletin
4. Compile data for Occupational Opportunities Report 1972
5. Present career education concepts at Nebraska Junior College Association

NEVADA

R. Courtney Riley, State Director of Vocational Education

J. Clark Davis, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Completed work on compiling data for State Hospital Career Inservice Study
2. Continued work on evaluation design instrument for vocational education programs within State
3. Provided information briefs on vocational education utilizing the ERIC system as the major force for information requests from vocational personnel within the State
4. Evaluation of State funded exemplary projects
5. Worked with Nevada State Employment Security to print and disseminate occupational briefs to all elementary, junior high, and high schools in State

6. Took part in State vocational teachers conference, providing information concerning the development of EPDA proposals for vocational in-service projects

7. Developed and field tested instrument for evaluation of vocational education "World of Work" program for elementary students

8. Prepared and distributed new RCU monthly report

9. Continued work with Washoe County School District to develop program for Federal Exemplary Project SAVE

10. Developed educational specifications for technology center of new metropolitan high school

11. Each school district in the State was visited by a member of the RCU to provide information about RCU and vocational activities of interest

12. Provided an RCU information center for college staff, students, and school district staff

13. Assembled and disseminated "Nevada Labor Union Apprenticeship Committees and Licensed Agencies", "Nevada Occupational Briefs", "Occupational Training Director" and "Area Wage Surveys"

14. The RCU was designated the outside evaluation unit for EPDA Part F products.

15. Completed a study titled "Feasibility Study for State Youth Group Activities Coordination"

16. Made presentation of career education project at AVA convention

17. Supervised activities of Part F EPDA project

18. Worked with State Vocational Advisory Committee to complete development and writing of annual report to State Department of Education, Board of Education

NEW HAMPSHIRE

Neal D. Andrew, State Director of Vocational Education

Gloria S. Cooper, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. First phase of an information dissemination network is almost completed. Seven sites have been established which will function as resource centers

2. The curriculum model for vocational education at the Vocational-Technical College in Claremont, started the development of an evaluation strategy

3. Self evaluation instruments for exemplary programs were designed and presented to the directors and are now in use as part of the quarterly reports

4. Started to explore a computerized data collection system for gathering enrollment and statistical data

5. Federal reporting completed

6. Conval Evaluation write-up completed

7. "Thinking Skills in Curricula" workshop completed

8. Attended Management Information Systems Workshop at Squaw Valley

9. Worked with Keene School System to help them get exemplary career education project written up

10. Provided personal consultation to other exemplary programs to get them started

11. Participated in Department of Education development of a comprehensive educational management information system

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of above activities

NEW JERSEY

Stephen Poliacik, Acting State Director of Vocational Education

Harold R. Seltzer, Director, Bureau of Occupational Research Development

PROJECTS COMPLETED:

1. "Report on Governor's Conference on Career Education"
2. "A National Survey of Vocational Education Programs: Secondary, Postsecondary, Public and Private" (Koo)
3. "Self Evaluation -- Governor Cahill's Career Development Project" (Camden, New Brunswick, Rahway Public Schools)
4. "Evaluation of Governor Cahill's Career Development Project" (Elaine House)
5. "Evaluation of Technology for Children Project" (Koo)
6. "Development of Research Priorities in Vocational-Technical Education" (Koo)

NEW PROJECTS FUNDED:

1. "Computer Assisted Career Development Programs" (Asbury Park School District)
2. "Sixty Curriculum Development Projects" (Teachers from local districts)
3. "New Jersey Manpower Needs in Areas Related to Natural Resources and/or Agriculture" (Philip Edgecomb)
4. "Planning Grant and Conference on Career Education" (Glassboro State College)

RESEARCH RELATED ACTIVITIES:

1. "Pilot Vending Machine Repair" (Southern Glowcester County Regional School District)

2. "Preparation of Health Occupation Teachers" (Mercer County Community College)

3. "On-going Master Planning" (Rutgers University Curriculum Laboratory)

4. "New Jersey Vocational Education Planning System Project" (Government Studies and Systems)

5. "The New Jersey Occupational Research and Development Resource Center" (Edison Township School District)

6. Conducted in-service training programs for teachers and supervisors of Technology for Children project

7. Published Feedback, Monographs, Special Papers and disseminated research information

8. Prepared multi-media presentation materials for Governor's Career Development Conference

9. Compilation and analysis of vocational education course approvals

10. Prepared and published Technology for Children newsletter

11. Opened Technology for Children teacher training center

12. Conducted Statewide research conference

13. Placed 100 portable microfiche readers throughout State

14. Operated Technology for Children demonstration classroom at New Jersey Education Association Conference

PROJECTS AND ACTIVITIES PLANNED:

1. Evaluation of educational software

2. Title listing and subject classification of periodicals relating to career education

3. Special paper preparation and dissemination

4. Train local school personnel in the use of multi-media presentation techniques

5. Development of occupational data storage and retrieval system

6. Conduct a study of microfiche as a form of information dissemination

7. Conduct a career development program in the City of Newark

8. Implement planning system for vocational-technical education in Newark

NEW MEXICO

James B. West, Acting State Director of Vocational Education

Hilda Majors, RCU Director

PROJECTS COMPLETED:

1. "Graphic Communications Technology" (John Fox, Ray Morrison, Horace Gambell)

2. "Floral Design Program" (Janie B. Gregg)

3. "Introduction to Aviation Technology and Aviation-Related Occupations" (Mark H. Dorfman)

4. "Evaluation of Curricular Requirements for the Two-Year Secretarial Program at New Mexico State University, 1965-69" (Eleanor Ann Heins)

5. "Institute on Vocational Education for the Small Rural High School" (Everett D. Edington)

6. "Motivation Through Shaping and Positive Reinforcers" (Daniel Flores)

7. "Cochiti School-Student Indoctrination into Sandoval County Business Opportunity" (William Teel)

8. "Motivation for Enrollment in Vocational-Technical Training Programs at the Post-High Level" (Nellie C. Schurkens)

9. "Updating Master Plan for Development of Vocational-Technical Education in New Mexico"

10. "A Look at Vocational Education in New Mexico 1971"

11. "Adult Consumer Education" (Cecelia Gallegos)

12. "An Early Look at Dollar Decisions" (Sylvia Moore)

13. "A Business Community and State Agency Survey of Santa Fe" (Jack L. Wilson)

14. "From Traditional Classroom Instruction Mini Sim: A Project in Office Simulation" (Patsy Buzbee and Mary Stowell)

15. "Cost of Vocational Education in New Mexico 1970-71" (John G. Wilsey)

NEW PROJECTS FUNDED:

1. "Counseling and Admissions Testing for Vocational-Technical Students at ENMU, Roswell" (Merlin Madsen)

2. "Student Placement Indices" (Isaiah Scott)

3. Mini-grants

RESEARCH RELATED ACTIVITIES:

1. Published New Mexico Vocational News

2. Met with EPDA Advisory Committee

3. Attended Western RCU Directors Conference

4. Coordinated and wrote Federal Annual Report

5. Wrote Exemplary Evaluation Report

6. Coordinated data information system

7. Solicited mini-grant proposals

8. Coordinated research projects

PROJECTS AND ACTIVITIES PLANNED:

1. Project monitoring
2. Followup OE-3139 Form
3. Management by objectives
4. Television series
5. Fill data request
6. Dissemination of completed research projects
7. Publish newsletter
8. Begin writing - coordinating State Plan

NEW YORK

Robert S. Seckendorf, State Director of Vocational Education

Louis A. Cohen, Chief, Bureau of Occupational Education Research

PROJECTS COMPLETED:

1. "Continuing Cooperative Education Project (CONCEPT), Phase I"
2. "Specifications for a Bookkeeping Curriculum Study"
3. "Specifications for EPDA Institute Evaluation"
4. "Discrimination Followup Studies"
5. "Current Status of Educational Vouchers"
6. "The Contribution of the Bureau of Occupational Education Research Towards an Educational Evaluation System"
7. "How to Write Performance Objectives"
8. "How to Mini-Redesign Your Classroom Instruction through Performance Objectives"

NEW PROJECTS FUNDED:

1. "Manpower Competencies in the Area of Health Services and Environmental Health Services Occupations"

2. "A Curriculum for Certificate and Associate Degree Programs to Encourage Actual and Potential Employees of Sunmount and Other Mental Health Institutions to Seek as Much Education and Recognition as Possible Toward Upgrading their Vocational Qualifications"

RESEARCH RELATED ACTIVITIES:

1. Provided consultative assistance to various institutions and organizations

2. Participated in several conferences, seminars, and speaking engagements

3. Collected data for a Community College Attrition Study

4. Initiated New York State Occupational Education Mini-Grant Program for 1972-73 fiscal year

5. Preliminary editions of the following reports were in process of development: 1) Career Goals, 2) How to Goal, 3) SYNOB Synthesizer Goals, 4) Education Evaluation System

6. A staff member visited the new Cornell Research and Development Center to assist the Center's staff in its organizational and operational plans

7. Participated in review team for secondary level and adult consumer-homemaking projects

8. Participated in a Career Orientation Project (K-12) Task Force

9. A brief Conference Evaluation Guide was developed. The Guide emphasizes using goal awareness instead of speaker-by-speaker evaluation

10. The Massachusetts/New York Evaluation Service Center for Occupational Education continues in operation

11. Curriculum guides are being developed in the areas of Advertising and Automotive Mechanics

12. A study of LaGuardia Community College was initiated

13. The Final Report of Topic House Phase III is expected shortly

14. A Position Paper on Values was completed

15. Published RCU Newsletter

16. Approval was received of a National Institute of Mental Health grant for a New York State Drug Administrators' Conference. Pre-conference material was developed and mailed. A conference date, facilities and agenda and speakers were readied

17. Progress continues toward completion of the New York State Apprenticeship Training Report

18. Final reports for the 1971 Mini-Grant Program projects were submitted

19. Held meetings in regard to a model program for occupational orientation and awareness for grades 7-9

20. Held meeting to set up evaluation guidelines for Adult Homemaking Consumer Project

21. Held a long-range planning conference with the Occupational Education staff

22. A meeting was held with Labor Department staff in New York City to discuss a business education project

23. Meetings were held to discuss the progress of the two new New York State R&D Centers

24. Meetings were held with Education Department Executive and Advisory Councils to discuss information system coordination and to explain a proposed Educational Programs and Studies Information System to be established within the Department

PROJECTS AND ACTIVITIES PLANNED: NONE

NORTH CAROLINA

Charles J. Law, Jr., State Director of Vocational Education

Charles H. Rogers, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "The Development and Implementation of an Individually Scheduled Cluster Curriculum in Occupational Education" (Sanford City Schools)

RESEARCH RELATED ACTIVITIES:

1. Monitored ongoing research projects
2. Assisted in preparing career education proposal (Section 131-a funds)
3. Conducted on-site study of articulation activities of technical institutes and community colleges
4. Participated in planning activities for Division of Occupational Education
5. Participated in on-site Migrant Education Program evaluations
6. Evaluated annual conference of vocational agriculture teachers
7. Completed followup study for LEA
8. Conducted workshops on writing behavioral objectives
9. Consulted in a conference for Local Directors of Occupational Education
10. Participated in conferences concerning Tri-Biennial Plan for DPI area of Research, Planning, and Development
11. Participated in the meeting of the Southwide Research Coordinating Council for Occupational Education held in Orlando, Florida

PROJECTS AND ACTIVITIES PLANNED: NONE

NORTH DAKOTA

Carrol E. Burchinal, State Director of Vocational Education

Benjamin S. Doutt, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Proposal for the Development of an Evaluation Instrument and Procedures for Its Implementation" (John L. Rowe)

2. "Development of New Vocational Health Curriculum Through Ladder/Lattice Concepts" (Glenice Hansen)

3. "Why are Rural Area Schools Reluctant to Take Advantage of Services Offered by Area Vocational High Schools?" (Theodore F. Renner)

RESEARCH RELATED ACTIVITIES:

1. Began quarterly newsletter pertaining to documents available through the RCU in an attempt to expand the information dissemination services of the RCU

2. Completed preparation of Occupational Opportunities Survey data for computer

PROJECTS AND ACTIVITIES PLANNED:

1. Long-range followup of selected postsecondary vocational students

2. Continue publication of "RCU Newsletter" and "ALERT-O-GRAM"

OHIO

Byrl R. Shoemaker, State Director of Vocational Education

Cecil O. Tower, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Career Education" (Akron Public Schools, Part C funds)
2. "Career Education" (Cincinnati Public Schools, Part C funds)
3. "Career Education" (Dayton Public Schools, Part C funds)
4. "Career Education" (Toledo Public Schools, Part C funds)
5. "Career Motivation, Grades K-6; Career Orienation, Grades 7-8; Career Exploration, Grades 9-10" (Parma Public Schools, Part C funds)
6. "Career Motivation, Grades K-6; Career Orientation, Grades 7-8; Career Exploration, Grades 9-10" (South-Western Public Schools, Part C funds)
7. "Career Motivation, Grades K-6; Career Orientation, Grades 7-8; Career Exploration, Grades 9-10" (Warren Public Schools, Part D funds)
8. "Career Motivation, Grades K-6; Career Orientation, Grades 7-8; Career Exploration, Grades 9-10" (Minford Public School, Part D funds)
9. "Career Motivation, Grades K-6; Career Orientation, Grades 7-8; Career Exploration, Grades 9-10" (Mansfield Public Schools, Part D funds)
10. "Career Motivation, Grades K-6; Career Exploration, Grades 9-10" (Cleveland Public Schools, Part D funds)
11. "Career Motivation, Grades K-6" (Mad River Green Public Schools, Part D funds)
12. "Career Orientation, Grades 7-8" (Meigs Public School, Part D funds)

RESEARCH RELATED ACTIVITIES:

1. Maintained a library of pertinent documents of a general nature received by the Division of Vocational Education. The Service distributed pertinent documents received of a specific vocational nature to appropriate services

2. Maintained an ERIC service for the State and Teacher Education staff

3. Assisted about 40 vocational agencies in preparing research proposals, pilot or exemplary projects

4. Participated in a leadership role in about 18 vocational association meetings, vocational seminars and workshops, USOE vocational conferences, U.S. Proposal Grant Studies on Cost of Vocational Education, and in an equal number of activities as a learner participant

5. Met with, counseled and advised over 40 groups such as school boards, administrators, professional groups, advisory groups, and at public gatherings concerning vocational education

6. Prepared answers to a multitude of questions by local school districts forming joint vocational school districts

7. Continued the implementation of Program Review for Improvement, Development and Expansion of Vocational Education in Ohio (PRIDE), a procedure for evaluating Vocational Education Programs at the Local Educational Planning District and State levels

8. Administered the PRIDE activities which involved 20 vocational education planning districts composed of 117 school districts and superintendents with 140 schools and principals. It is estimated that 730 vocational teachers and 140 counselors, as well as 4,400 advisory committee members were involved with program review

9. Prepared for the administration of the Ohio Vocational Interest Survey to approximately 40,000 ninth graders

10. Distributed 80,000 Parent and Student Vocational Education Survey forms for use by ninth and twelfth grade students and their parents

11. Directed the cost analysis review to identify the cost of an instructional program and a cost-per-pupil figure through 21 cost analysis orientation meetings covering the 21 Vocational Education Planning Districts embracing 117 school districts. Cost manuals, worksheets, and participation agreements were distributed at each orientation workshop to school board clerks and superintendents

12. Maintained, operated and improved upon the design of a system for collecting and storing data concerning vocational education, and related information, in such a manner that it may be readily retrieved and used in decision-making for planned program budget analysis. Researched vocational data reporting - organization and design in requesting, method of collecting and editing; compiling - method and system of processing; and presenting - method, content and arrangement of information

PROJECTS AND ACTIVITIES PLANNED: NONE

OKLAHOMA

Francis T. Tuttle, State Director of Vocational Education

William D. Frazier, RCU Director

PROJECTS COMPLETED:

1. "Research Utilization Specialist--Review and Synthesis of Selected Literature on Research Development" (W.G. Ward)

2. "A National Study of Certification Requirements for Occupational (Gainful) Employment Home Economics Teachers" (Jewell T. King)

3. "Occupational Training Information System Cycle Three Report, Supplement V--A Followup Study of Oklahoma Vocational and Technical Education Graduates and Dropouts; 1968-1969 and 1969-1970" (W.W. Stevenson)

4. "A Guide for State-Directed Evaluation of Secondary Vocational Education Programs in Oklahoma" (Ralph W. Ross)

5. "A Study of Attitudes, Interests, and Current Practices Related to Career Orientation Activities in the Elementary Schools in Oklahoma" (Donald Leland Mitchell)

6. "Analyses of Noise in Selected Agricultural Mechanic Facilities" (Lon R. Shell)

7. "Oklahoma VIEW Handbook -- Prepared for Counselors, Teachers, and Administrators" (Division of Research, Planning and Evaluation)

8. "The Present System of Manpower Supply Data Collection in Oklahoma with Recommendations for Improving This System" (J. B. Morton)

9. "Occupational Training Information System Cycle Three Report, Supplement VI -- Vocational and Technical Skills Upgrading Requirements for Selected Occupations" (H. Gene Smith)

10. "Formulation of Behavioral Objectives for Training in Selected Ornamental Horticulture Jobs" (Henry V. Griffith)

NEW PROJECTS FUNDED:

1. "Construction and Evaluation of a Career Development Program in Agricultural Occupations for Advantaged and Less-Advantaged Rural Youth - Phase I" (Robert R. Price)

RESEARCH RELATED ACTIVITIES:

1. Directed Management by Objectives Workshops

2. Attended National Workshop on Systems Management, Squaw Valley, California

3. Directed Workshop for Teachers of Handicapped Students

4. Consulted with Texas and Missouri groups on establishing an OTIS System

5. Participated in Oklahoma Vocational Summer Conference

6. Attended Western States RCU Conference

7. Held in-house Workshop to initiate Management by Objective in Division of Research, Planning, and Evaluation

8. Conducted Workshop for Teachers of Indian Students

9. Consulted with Central Oklahoma Area Vocational-Technical Center regarding researchable problems throughout the Center

10. Conducted USOE enrollment and followup reports

11. Completed an AVA report of enrollments by congressional district in Oklahoma

12. Developed Career Education "letter of assurance"

13. Submitted proposal, "The Development and Testing of a Linear Programming Technique for Optionizing Occupational Training Program Combinations" to USOE

14. Organized and carried out team visits to evaluate 135 vocational programs in 47 schools. Held 3 orientation seminars for evaluation team members

15. Attended nine graduate student doctoral committee meetings

16. Participated in Oklahoma Vocational Association Annual Conference

17. Participated on team evaluating State Department of Iowa data collection system

PROJECTS AND ACTIVITIES PLANNED:

1. Career Education Curriculum Placement Models

OREGON

Leonard E. Kunzman, State Director of Vocational Education

Daniel B. Dunham, RCU Director

PROJECTS COMPLETED:

1. "Guidelines for Career Exploratory Programs"
2. "Design of a Model for Education Evaluation"

NEW PROJECTS FUNDED:

1. "Design of a Cooperative Pilot Followup Project with Educational Coordinating Council"

RESEARCH RELATED ACTIVITIES:

1. Participation in summer inservice workshop activities
2. Attended various meetings
3. Assisted in proposal development
4. Established research priorities for FY '72 and FY '73
5. Reviewed and approved proposals and mini-grants
6. Conducted inservice activities related to funded projects
7. Conducted four regional workshops on funding and proposal development
8. Visited funded project schools

PROJECTS AND ACTIVITIES PLANNED:

1. Project review and approval
2. Meeting of directors of research and exemplary projects for purposes of project administration, project evaluation, and idea exchange
3. Complete USOE directory project
4. Complete Education Coordinating Council followup project

PENNSYLVANIA

John W. Struck, State Director of Vocational Education

Ferman B. Moody, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Unifying and Individualizing Vocational Education (Developmental Phase)" (James Peters)

2. "A Modular Scheduling Program for Vo-Tech Schools: A Demonstration Model" (Bryan V. Fluck)

3. "A Study of the Vocational and Technical Education Program Curriculum Structure in the Philadelphia Public Schools" (John Peper)

4. "Revision and Development of Skill Area Teacher Competency Test Materials" (R.G. Lamping)

5. "Open Space Concept in Business Education" (Natalie P. Nichols)

6. "Systems Laboratory Research Program" (John S. Boyd)

7. "Exemplary English/Language Arts Curriculum Development Program for Vocational-Technical Education Students" (Joseph E. Ferderbar)

8. "A Research Program to Determine the Effective Use of Closed-Circuit Video Tapes in an Agricultural Teaching Situation" (Ted Amick)

9. "Preplanning Project, Health Services Core Curriculum" (William B. Boswell)

10. "An Experimental Program to Provide In-Home Vocational Training in Preschool and Day Care Work for Unskilled Disadvantaged Mothers and Child-Caring Adults" (M.J. Higgins)

11. "A Supply/Demand Model for Vocational Education Planners" (Angelo C. Gillie)

12. "Instrumentation and Industrial Technology" (Daniel A. Clark)

13. "School-Based Job Placement Service Model: Phase I - Planning" (John O'Brian)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Identify and establish research priorities

2. Implement four comprehensive models of career education (K-12) in Pennsylvania

3. Screen and review research and related proposals and provide grants to colleges, universities and local educational agencies

4. Provide mini-grants to graduate students and teachers and assist them in the conduct of research studies

5. Implement the systems planning model for vocational education that was developed in the Arnold Study

6. Conduct a comprehensive study of private vocational and technical schools in Pennsylvania in cooperation with the Pennsylvania State Advisory Council for Vocational Education

7. Publish the winter edition of the RCU Reporter

8. Continue to operate our information dissemination system (VEIN) in cooperation with the ERIC Clearinghouse for Vocational Education and expand the operation to include the user needs of vocational educators in the State of Delaware

9. Prepare interpretive briefs of completed research projects

10. Cooperate with other States in the conduct of occupational education research

11. Continue to monitor ongoing research and related projects

12. Implement an innovative project involving course modules in an AVTS

13. Update the data bank on vocational education graduates in Pennsylvania for fiscal year 1971-72

14. Implement a job placement service model using supply/demand data in a four-county area of central Pennsylvania

15. Assess the impact of research and related projects, funded by the RCU, on educational practices

16. Participate in meetings and conferences designed to facilitate quality research in Pennsylvania

RHODE ISLAND

Peter Bowen, Acting State Director of Vocational Education

Orrin LaFerte, RCU Director

NO REPORTS RECEIVED

SOUTH CAROLINA

Cecil H. Johnson, State Director of Vocational Education

Sam M. Greer, RCU Director

NO REPORTS RECEIVED

SOUTH DAKOTA

E. B. Oleson, State Director of Vocational Education

E. B. Oleson, RCU Director

NO REPORTS RECEIVED

TENNESSEE

W. M. Harrison, State Director of Vocational Education

Garry R. Bice, RCU Director

PROJECTS COMPLETED:

1. "The Status and Image of Vocational and Technical Education in Tennessee" (State Advisory Council)

2. "The Qualities of an Effective Pre-Vocational Business Education Teacher" (Department of Business Education)

3. "The Relationship Between Related Work Experience and Teaching Effectiveness of Vocational Office Education Teachers" (Department of Business Education)

4. "A Study of the Vocational Needs of the Union County School System" (Clinch-Powell Educational Cooperative)

5. "USOE Vocational Education Directory" (National Center for Educational Statistics of the U. S. Office of Education)

6. "Development of a Prediction Model to Determine the Appropriate Level for Entering Students in Mathematics" (Chattanooga State Technical Institute)

7. "A Pilot Project to Improve the Vocabulary of Technology Students" (Jackson State Community College)

8. "Post High School Activities of Graduates Who Immediately Enter into the Labor Market" (Roane County Board of Education)

NEW PROJECTS FUNDED:

1. "Pilot Project INFOE (Information Needed for Occupational Entry)"

2. "New Information to Release Opportunities: A Plan for Disseminating Information Relative to all Phases of a New Vocational-Technical School" (Greeneville City Schools)

3. "Career Orientation -- An Exploratory Approach" (Morristown City Schools)

4. "A Self-Contained Mathematics Package to Supplement the Mathematics Curriculum in the Teaching of Elementary Trigonometric Functions" (Nashville State Technical Institute)

5. "A Comparative Readability Analysis of Frequently Used Reading Materials" (University of Tennessee)

6. "A Followup Study of the 1969 and 1970 Business Majors of Bradley Central High School" (Bradley County School System)

7. "Individualized Instruction in Distributive Education" (McKenzie Special School District)

8. "Development of a Professional Personnel Improvement Program" (State Division of Vocational-Technical Education)

RESEARCH RELATED ACTIVITIES:

1. Provided consultant services to a variety of institutions and agencies

2. Attended conferences and made presentations

3. CIJE and RIE computer tape files updated through June 1971

4. A staff member developed a proposal to "Implement Vocational Education Classes in the Prisons of Tennessee"

5. A staff member developed a proposal on "The Feasibility of Initiating a Tennessee Law Enforcement Institute"

6. Regional Research and Development Offices were established in East and West Tennessee

7. A brochure announcing "Mini-Grants for Research and Development in Vocational-Technical Education" was developed and mailed to approximately 3,000 vocational-technical personnel

8. A brochure describing the RCU and its functions was developed and mailed to approximately 3,000 vocational-technical personnel

9. A brochure announcing the Regional Research and Development Offices was developed and is being disseminated to vocational-technical personnel

10. A proposal is being developed for "A Workshop for Conducting Followup Studies"

11. The first issue of ERIC Alert was disseminated to vocational teacher educators in the State

12. A sound/slide series describing how to use ERIC information products and make use of the services of the RCU was developed. The series entitled "RCU Information Retrieval and Dissemination System for Vocational Education" has been made available on a loan basis for group presentations throughout the State

13. The report of the "Statewide Invitational Conference on Curriculum Development in Vocational-Technical Education" Information Series #4 was completed and disseminated to selected vocational-technical personnel

14. "Index to 'Query' Computer Searches October 1970-July 1971" Information Series #5, was completed and disseminated to approximately 3,000 vocational-technical personnel

15. The Final Report of The Tennessee Information Retrieval and Dissemination System for Vocational Education Research Series #4 was completed and disseminated to selected vocational-technical personnel

16. "ERIC and RCU" Information Series #2, a manual for users of ERIC (Educational Resources Information Center) materials at the Tennessee RCU was disseminated to approximately 3,000 vocational-technical personnel

17. The "Query" computer search list is being continually updated

18. "Your Key to Easier Research," Information Series No. 8 (Revised Edition), a manual for the development of research proposals and to assist mini-grant applicants, was completed and disseminated to approximately 3,000 vocational-technical personnel

19. A brochure announcing the pilot project INFOE, "Information Needed for Occupational Entry," was developed

20. A new library circulation system for circulating new publications to RCU staff and Head Teacher Educators was developed

21. Selective dissemination of information to teacher educators is being continued

PROJECTS AND ACTIVITIES PLANNED: NONE

TEXAS

John R. Guemple, State Director of Vocational Education

Ray Barber, Director, Division of Occupational Research and Development

PROJECTS COMPLETED:

1. "A Study of Nondestructive Testing and Inspection Processes Used in Industry with Implications for Program Planning in the Junior Colleges of Texas" (North Texas State University)

NEW PROJECTS FUNDED:

1. "A Pilot Project to Develop, Initiate and Evaluate a Post Secondary Program in Oceanic and Marine Technology" (Brazosport College)

2. "A Systems Approach to Placement and Followup: A Computer Model" (Bryan Independent School District)

3. "Refinement and Further Development of the Architectural Technology Curriculum" (Del Mar College)

4. "Search for Common Teaching Skills and Knowledge in Occupational Education and Technology" (Region X Education Service Center)

5. "The Mexican American in Texas: A Study of His Occupational Education" (University of Houston)

6. "Curriculum Development for Electronic Instrumentation" (Lee College)

7. "Measurement of Institutional Effectiveness in Vocational Education: An Exploratory Study" (Permian Junior College System)

8. "The Development of Evaluative Criteria for Training of the Handicapped" (University of Houston)

9. "Training Paraprofessionals to Serve the Deaf" (Dallas County Junior College District)

10. "Analysis of a New Concept and Implementation in Cooperative Health Training" (Galveston College)

11. "A Study to Determine the Need for Occupational Education in Five South Plains Counties" (Plainview Independent School District)

12. "The American Indian in Dallas County: An Exploratory Study of His Occupational and Educational Needs" (Dallas County Junior College District)

13. "A Project for Training School Personnel in the Use of Vocational Curricula and Group Guidance Techniques" (EPD Consortium C)

14. "Manpower-Economic Education Project to Improve Teachers' and Pupils' Occupational Employment Knowledge and Attitude" (North Texas State University)

15. "High School Career Interest and Information Survey, Phase I" (Texas State Technical Institute)

16. "Coping Styles and Achievement" (University of Texas)

17. "Urban Model-Industrial Careers Vestibule Program" (Central Texas College)

RESEARCH RELATED ACTIVITIES:

1. Review and approval of research proposals

2. Implementation of new procedures for collection, analysis, synthesis, and organization of input data for preparation of the Annual Vocational Education Report

3. Coordination of exemplary projects and development and coordination of pilot-demonstration projects in occupational education for handicapped students

4. Review of preliminary plans for a State-wide followup study which is to be initiated by the State Advisory Council, "The Texas Education Product Study"

5. Participation in a series of meetings for initiation of manpower information and planning system

PROJECTS AND ACTIVITIES PLANNED:

1. Continued work on manpower needs and development studies, followup and placement studies, and curriculum development

2. Coordination of three career education projects

UTAH

Walter E. Ulrich, State Director of Vocational Education

John F. Stephens, RCU Director

PROJECTS COMPLETED:

1. "Evaluation of Over the Shoulder" (Edward L. Soper)

2. "Evaluation of American Industry" (Edward L. Soper)

3. "Evaluation of Millard 12th Grade Cooperative" (Edward L. Soper)

4. "Evaluation of Post-Secondary Pre-Tech Program, Utah Technical College at Salt Lake" (Davis Ballard)

5. "Detailed Study of Correlation of Years of Schooling and Lifetime Earnings" (Norman Hyatt)

NEW PROJECTS FUNDED:

1. "Detailed Analysis of Selected Followup Data" (Allan Oleole)

2. "Industrial Visitation Sites Study" (Wayne Goates)

3. "Development and Evaluation of a Davis District Auto Salvage Program"

4. "Evaluation of Simulation Programs in Office Occupations" (Frank E. Nelson)

5. "Distributive Education Curriculum Project" (William Woolf)

6. "Evaluation of Post-High School Orientation Program" (Carolyn Barcus)

7. "Evaluation of Integrated Shop Program" (Austin Loveless)

8. "World of Work, K-6" (Ray Warner)

9. "Study of Relevance, Effectiveness of Secondary Bookkeeping Programs" (Faun Chidester)

10. "Evaluation of 7th Grade Guidance Project, Pleasant Grove Junior High School" (G. Warren Gaddis)

11. "Evaluation of World-of-Work Project" (Richard Keene)

12. "Evaluation of COPE, Special High School Guidance Project" (Richard Keene)

13. "Evaluation of Project SUCCESS" (Richard Keene)

14. "Evaluation of Mobile Power Sewing Training Program" (Austin Loveless)

15. "Survey of Status of Vocational Advisory Committees" (Austin Loveless)

16. "Evaluation of Experimental Local Autonomy Project" (Austin Loveless)

17. "Consolidation of Middle School Programs" (G. Warren Gaddis)

RESEARCH RELATED ACTIVITIES:

1. Attended Western Region RCU Directors Conference

2. Attended State Office Workshop on Evaluation

3. Attended State Office Vocational Division Staff Retreat

PROJECTS AND ACTIVITIES PLANNED:

1. Articulated Curriculum Evaluation in Auto Mechanics and Electronics Areas

2. Test of Advisory Committee Model

3. Evaluation of All Experimental T and I Programs at Bonneville High School

4. Restructuring of Vocational Education Liaison Visit Guidelines

5. Study of the Distribution of Off-Farm Ag Jobs

6. Preparation of a survey instrument to be used with Vocational Directors to determine covertly the services they desire from the State vocational staff

7. Study of the correspondence of vocational program output versus jobs availability by specific OE Code and DOT number

VERMONT

Cola D. Watson, State Director of Vocational Education

Joseph P. Kisko, RCU Director

PROJECTS COMPLETED:

1. "A Model for Collecting and Analyzing Followup Data on Graduates and Dropouts of Vocational Education in Vermont"

NEW PROJECTS FUNDED:

1. "Career Development Patterns of Vocational Pupils Graduating or Leaving Schools 1967, 1968, 1969, 1970" (Gerald R. Fuller)

2. "The Development of Materials for Recruiting and Screening Prospective Students into Selected Pre-Service Vocational Teacher Education Programs" (Marilyn Osborn)

RESEARCH RELATED ACTIVITIES:

1. Requested letters of interest for FY '72 priority projects listed in the Vermont State Plan for Vocational-Technical Education

2. Submitted proposal to USOE for discretionary funds for Vermont Career Education Model

PROJECTS AND ACTIVITIES PLANNED:

1. Development of a program that will bring together all education programs in a county serving rural areas
2. Develop a model for a reliable data collection system for planning purposes
3. Develop methods and means of determining unmet student needs for the implementation of a program to meet these needs
4. Development and evaluation of bilingual trade instruction programs
5. Study of the feasibility of adult participation in day programs of vocational education

VIRGINIA

George L. Sandvig, State Director of Vocational Education

George S. Orr, Jr., State Supervisor of Vocational Education

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Learning Resources for the Disadvantaged Student" (Virginia Department of Community Colleges)

RESEARCH RELATED ACTIVITIES:

1. Meetings held in connection with "An Evaluation System Research Project"
2. Approving continuation projects for FY 1972

PROJECTS AND ACTIVITIES PLANNED: NONE

WASHINGTON

Ernest G. Kramer, State Director of Vocational Education

George P. Pilant, RCU Director

NO REPORTS RECEIVED

WEST VIRGINIA

Fred W. Eberle, State Director of Vocational Education

Glenn E. Smith, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "The Systems Approach: An Emerging Behavior Model for Career Guidance -- Operation Guidance II" (David Acord)

2. "The Identification of Competencies of Local Directors of Vocational Education" (John K. Coster)

3. "A Demonstration of Reality Training through Simulation in Clerical Office Practice" (Perry Davis and Lyndall Wiley)

4. "Research in Developing a Program in Basic Vocational Studies" (Edison C. Rine)

5. "Survey RE: Home Nursing Aide Training for the High School Senior Girl" (Kathleen Hoth)

6. "Providing a Cluster of High School Home Economics Wage Earning Courses with Use of a Practical House" (Virginia Cook)

7. "Basic Methods Course in Business for the Vocational Education Dropout in Man High School" (Elizabeth Paluso)

8. "Survey of Vocational Education Needs -- Taylor County" (Charles Cather)

9. "Increasing Vocabulary and Spelling Skills of Vocational Students in the Field of Business" (Cleo Mathews)

10. "Individualization of Instruction" (Lonnie Fluharty)

11. "An Improved Curriculum for Vocational Agriculture" (John H. Aylor)

12. "Mine Maintenance Manual" (Roy Wiseman)

RESEARCH RELATED ACTIVITIES:

1. Operation of Educational Information Service Center

2. Provided consultative services to local educational agencies

3. Assisted with planning for development of a State Comprehensive Data System for Vocational Education

4. Monitored approved research and exemplary project grant awards

PROJECTS AND ACTIVITIES PLANNED:

1. Begin State Career Education Research-Demonstration Projects

2. Initiate projects in State R&D priority areas

3. Monitor funded Research and Exemplary Program projects

4. Expand information services

5. Participate in activities related to developing annual and long-range planning for vocational education

6. Continue development and implementation of the Comprehensive Data System for Vocational Education

WISCONSIN

Eugene Lehrmann, State Director of Vocational Education

Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. "Packaged Instruction for Apprentices" (Robert Henning)
2. "Attitude Change as a Result of Class Environment Manipulations" (Ronald Bula)
3. "Machine Tool Hydraulic Circuits Transparencies" (James Zepplin)
4. "Course Outlines for Letterpress and Printing Estimating" (Haven Williams)
5. "Tech Sci I and II Course Outlines and Development of Cartridge Tapes to Accompany Film Loops" (Marvin Babler)
6. "Identifying Standard Grinding Wheel Markings Instructional Packages" (Gene Hansen)
7. "Development and Revision of 12-Hour Supervisory Communications Course" (James Woolsey)
8. "Retailing I and II Course Outlines" (Gerald Hoover)
9. "Course Construction Instructional Packages (4) Unit Construction for Machine Processes" (Russell Juers)
10. "Program Development for District 15" (Russell Paulsen)
11. "A Survey of 35 Central Wisconsin Bank Orientation and Training Policies" (Russell Paulsen)
12. "Services to the Disadvantaged by District I" (Russell Paulsen)
13. "Student Background Study of NCTI Students" (Russell Paulsen and Wallace Baker)
14. "Autobody Repair Program Survey" (Myron Wandrey and Russell Paulsen)

15. "Mobility and Background Study of Selected District Administrative Staffs in the Wisconsin VTAE System" (Robert Sorensen and Russell Paulsen)

16. "Course Outlines for Offset Course" (Richard Grasse)

17. "Marathon County Workshop Outlines for New Curriculum, Tutor Counselor" (Richard Grasse)

18. "A Report Showing the Developed Materials for Introducing Fortran IV Programming and Analysis of Their Usage Within Technical Math at NCTI from February to June, 1971" (David Andrews)

19. "Video Tape Geometry -- Grinding Lathe Tool Bits" (Russell Juers)

20. "Polarized Transparency" (Russell Juers)

21. "The Role of Attitude in Predicting Early Student Withdrawal" (James Woolsey)

22. "Media Usage in the Vocational Technical Districts in Wisconsin" (James Meyer)

23. "Course Materials for New Projects for Offset Class" (Richard Grasse)

24. "Develop and Evaluate New Advanced Technical Science Course" (Marvin Babler)

25. "Computer Scheduling" (Eugene Battist)

26. "New Course Outline for Letterpress Production" (Haven Williams)

27. "Evaluation of Secondary Mathematics Curriculum in District 15 as they Relate to the Math Background Requirements of Post-Secondary VTAE Students" (Lawrence Kaffine)

28. "Slide Series" (Gene Hansen)

29. "Home Economist Study" (J. Fredrickson)

30. "A Study of Selected Attitudes and Opinions Held by Faculty Members at NWTI Using the Carnegie Commission Questionnaire" (Prindiville)

31. "Teacher Aide Survey" (VTAE District 17)

32. "Nursing Assistants Survey" (VTAE District 17)

NEW PROJECTS FUNDED:

1. "Population and Manpower Study for VTAE Districts 6,7,8, and 9"
2. "Mini Grants to Teachers"
3. "Study of Transfer of Students"
4. "Field Testing Individualized Instruction"
5. "Model for Predicting Early Student Withdrawal"
6. "Survey of Marketing Students"
7. "WVTAE Student Organization Survey"
8. "Computer Augmented Accounting"
9. "Home Economics Assistant Study"
10. "Agricultural and Home Economics Occupational Survey"
11. "Analysis of Skills in Insurance Major"
12. "Job Analysis for Vocational-Technical Occupations"
13. "Mini Research Grants to Graduate Students"
14. "Vocational Assessment of Handicapped"
15. "Effect of Visual Aids in Teaching Manufacturing Processes"
16. "Use of OVIS to Determine Career Preferences"
17. "Analysis of Trends in Mechanical Design"
18. "Evaluation of Electronics Technology"
19. "Differentiated Staffing"
20. "Assessment of Individualized Instruction"

21. "Curriculum Evaluation of Secretarial Science Program"

22. "Industrial Safety Education Study"

23. "OVIS Survey in Student Recruitment"

24. "Convergence Plan for Vocational Research in Wisconsin"

25. "Present and Future Manpower Needs for Mid-Management Credit Personnel in Wisconsin" (Baus)

26. "ACT, High School Grades and Other Measurements as Predictions of Success by Program" (Van Rite)

27. "Dental Assistant Behavioral Objective Analysis" (Prindiville)

28. "Admission Requirements for DP Students" (Budz)

29. "Annual Followup Studies -- 6 1/2 month, 2 year, 6 year" (Wallace and Prindiville)

30. "Value of Admissions Counseling for Auto Mechanic Applicants at NWTI" (Budz)

31. "Vocational and Technical Education Training Programs Sponsored by Business, Industry, Labor and Government in Wisconsin"

32. "Further Analysis of Training Programs for Handicapped"

33. "Continuing Education Needs of Handicapped"

RESEARCH RELATED ACTIVITIES:

1. Assisting with development of research and exemplary projects

2. Funding of research projects

3. Publishing of newsletter, "Bits About Research"

4. Dissemination activities, including RCU library

5. Liaison with State Employment Service

6. Determining research priorities

7. Development of career education models and environmental education models to serve as frameworks for summer workshops of teachers and other staff

PROJECTS AND ACTIVITIES PLANNED:

1. Research practices seminars for district research and other staff in cooperation with Stout State University

2. "Organizational Evaluation of VTAE District 13" (Prindiville)

3. "A Comparative Evaluation of the McHale Approach and the Traditional Approach to Mathematics in Technical Education" (Howlett)

4. "Relationships Between LPN Interest in Professional Nurse Training and Selected Self-Concepts and Reality Factors" (Prindiville)

5. "An Analysis of Instructor Evaluations Conducted by Students at NWTI"

WYOMING

Fred P. Black, State Director of Vocational Education

Fred P. Black, RCU Director

PROJECTS COMPLETED:

1. "The Development of a Curriculum in Basic Communication Skills for the Educationally Disadvantaged or Special Interest Vocational Student" (Western Wyoming College)

2. "The Role Perception of Faculty Members in Post-Secondary Schools Offering Occupational Education" (Northwest Community College)

3. "Entry-level Employment Success of Wyoming Post-High School Graduates in Selected Occupational Business Programs" (Northwest Community College)

NEW PROJECTS FUNDED:

1. "A Model to Evaluate the Suitability and Effectiveness of the A.C.T. Career Planning Profile for the Improvement of Vocational Guidance of Students in Wyoming Community Colleges" (Northwest Wyoming Community College)

2. "Individualizing a Beginning Typing Class" (Casper High School)

3. "Community-Business Office Occupation Survey" (Laramie High School)

RESEARCH RELATED ACTIVITIES:

1. Conducted Western Region RCU Directors Conference

2. Conducted VERIFY workshop for 115 school administrators

3. Data collection for annual report

4. Developed and submitted RCU discretionary funds proposal

5. Assisted in development of EPDA plan of action

6. Assisted Federal proposal review and approval

7. Assisted in annual report development

8. Assisted in Statewide Educational Needs Assessment

9. Implemented VERIFY (Vocational Pupil Accounting System) and collected data on 22,000 students in 74 secondary schools

PROJECTS AND ACTIVITIES PLANNED:

1. State survey of gainful home economics job opportunities

2. State survey of agri-business job opportunities

3. Occupational needs survey in Goshen County

4. Development of plan of action to utilize State-wide needs assessment and VERIFY information

5. Assist in FY 1973 State Plan development

GSA DC 73-3385